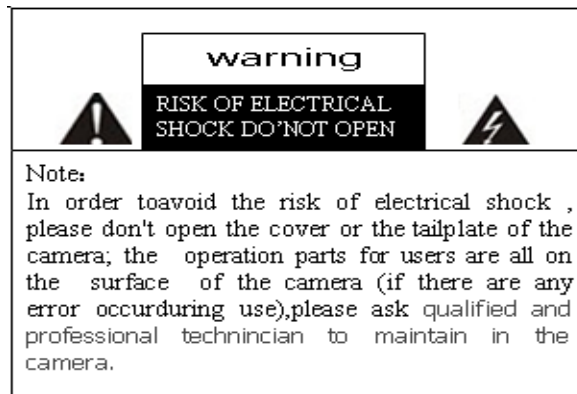---

thanks you for using our products

Please read this manual carefully before using our products,
and please keep the manual proper for future reference.

Catalogue

warning
RISK OF ELECTRICAL
SHOCK DO'NOT OPEN

Note:
In order toavoid the risk of electrical shock , please don't open the cover or the tailplate of the camera; the operation parts for users are all on the surface of the camera (if there are any error occurduring use),please ask qualified and professional technincian to maintain in the camera.

This mark is used to warn the users to avoid the dangerous voltage inside the camera

This mark is used to warn the users that label   printed on the products which have important operation or maintain in description

This equipment is according to the article 15 of the treaty FCC about CLASSA digital equipment restriction to test . These restrictions are designed to prevent the products form the harmful interference when using under   the business environment . This product will emit electromagnetic wave during the course of production and using, if you are not   according to the user's manual when installing and using, You can be interfered by the electromagnetic wave ,When using this product in the residentialareas,it could bring electromagnetic wave and be interfered by.   in this case,please handle properly.

Attention:

To replace or repair the camera privately without manufacturers' permission, the consumers' interests will not be protected properly.

Warning: please do not touch the plug with wet hand, Otherwise it will lead to electrical shock.

Please do not put the camera close to be the flammable gas or oil , which will result in fire or other dangerous.

Please do not install the camera on the unsolided surface , which will lead to falling or other dangerous.

Please refer to the table below when you find Problems during using. If there are no resolution for your problems,please contact our authorized technician

problem	solution
No images display on the screen	• Check whether the power cord of the camera and the monitor is connected correctly，and check whether there is voltage output from the power supply. • Check whether the VIDEO cable and the VIDEO output jack of the camera is connected • Check whether he power supply and the current of the camera is meet the requirement.
Blurry images	• Check if there are dirt on the lens ,please use a soft&clean cloth to clean lens, • Check if the monitor is on the correct state. • If the camera is in a strong light, please change the location of the camera • Adjust the focal length of the lens properly
The images on che Screen is dark	• Adjust the contrast of the monitor • If using intermediate device,please set up 75Ω/Hi-Z correctly
The surface of the camera is too hot	• Check if the correct power supply is correctly connected to the camera
Images flashes on the screen	• Check the camera lens whethe or not towards the sun or fluorescent light?Please change the camera's position.

CCTV camera with SD card storage

features

Use SD card to store picture

- Unique design beautiful look，patented products
- Motion diction and auto tracking
- 10X digital zoom
- Support RS-485(PELCO-D)
- OSD Menu

SAFETY PRECAUTION

- Do not open and modify

Don't open the cabinet except during installation and maintenance, or it may cause the camera damage.

- Don't leave other objects inside the unit.

Make sure that nometal objects or flammable substances inside the camera.it couklcause fire,shot-circuits or damage.

- be careful when handling the unit

To prevent damage,do not drop or hit the camera or install away from electric or magnetic fields.

- install it wheraway from strong electromagnetic fields.

Moisture-proof, dust-proof, anti- high temperature.when istall the camer the ceiling, kitchen boiler room,should pay particular

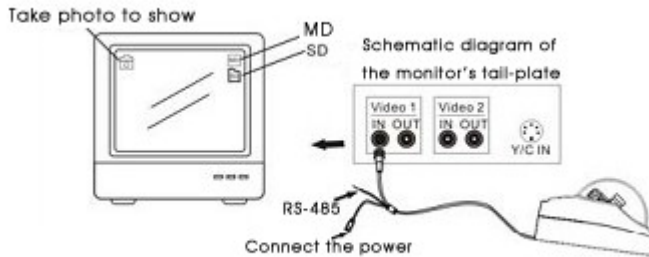- cleaning

Dirt can be removed by a wet soft cloth sticked ab luent.

Specification

	ST-911S
image Sensor	1/3"SONY SUPERHAD CCD
Scanning Frequency	NTSC/PAL
Effective pixels	PAL：537（H）*597（V）NTSC：537（H）*505（V）
Horizontal resolution	420TVL
Minimum illumination	0.5μLux/F1.2
S/N Ratio	>48dB
video output	1.0Vp—pat75ohm
AWB	Auto
BLC	Auto
gamma correction	0.45
Sync.system	Sync Internal
Take	MD/MT
Store	SD
MAX.ZOOM TIMES	2X/4X/10X
Lens	2.8/3.6mm（eligibility）
Power supply	DC12V
Operating on Temperature	—10℃~50℃
Ttorage Temperature	—20℃~60℃
Dimensions（mm）	130(L)X105(W)X78.5(H)MM
Weight	200G

- Connect the camera's VIDEO and the monitor's VIDEOIN .
- Since the connection methods are changing with the use of different tools,so please refer to the methods provided by manual.
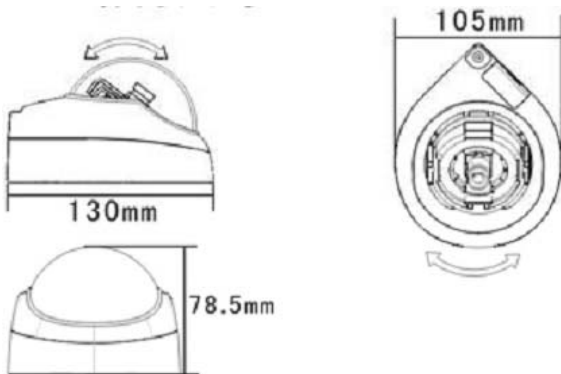- Connect the cable after the power off.

Connect the power

- Use DC 12V power supply
- Please refer to the connect power that maked on the camera.
- DC power supply
- The power lines have its own polarity ,please be sure to distinguish clearly between   "+" and "-"
  The power card's length will affects the drop of the DC voltage, if the cable is too long ,it will cause the camera failure.

Attention

- Please make sure all the installation have been completed, then connected power
- Do not provide the AV or DC adapter
- GND terminals shoud be connected with the ground.

Dimension

一、Dimension

Picture

一、 Picture Review

When you want to review the pictures stored in SD card, push the Picture function key "UP", push "UP" again to exit.

二、 Snap Shoot

When want to snap shoot ,push the "Down" key.

三、 Zoom in /Zoom out

This camera has Zoom in/Zoom out function. Push the "left" key to zoom in, push the "right" key to zoom out.

OSD menu

Push the "MENU" to enter system（refer photo1）

一、 SYSTEM

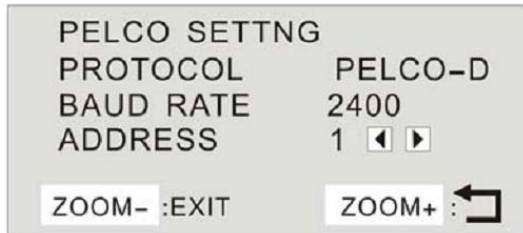1.1 Move the Cursor to SYSTEM and push "MENU" then can enter submenu(refer photo2)

Move the Cursor to DATE/TIME and push "MENU" then can enter submenu(refer photo3)

```
DATE/TIME SETTNG
      2010 / 01 / 07
      00 : 06 : 17
ZOOM- :EXIT      ZOOM+ :
```

Move the Cursor to DATE/TIME and push "MENU" to set DATE/TIME.Use the UP/DOWN bottom to set.

1.2 Move the Cursor to PELCO and push "MENU" and come to menu as photo4.

```
PELCO SETTNG
PROTOCOL      PELCO-D
BAUD RATE     2400
ADDRESS       1 ◀ ▶
ZOOM- :EXIT      ZOOM+ :
```

PROTOCOL(RS-485):PELCO-D;BAUD RATE:2400;ADDRESS:0~255

1.3 Move the Cursor to FORMAT DISK and push "MENU" and come to menu as photo5.

```
ARE YOU SURE
   YES    NO
```

Choose Yes and FORMAT the SD card

1.4Move the Cursor to FIRMWARE UPDATE and push "MENU" to menu as photo 6.

```
PLEASE INSERT THE
   USB CABLE
```

FIRMWARE UPDATE is for factory to do the update,custmer no need to operate it.

二、**SECURITY**

2.1 Move the Cursor to SECURITY and push "MENU" to menu as photo 7.

```
SECURITY
INTELLIGENCE MODE ◀MD▶
PHOTO SIZE        ◀ D1 ▶
PHOTO QUALITY     ◀ M ▶
MAX.ZOOM TIMES    ◀10X▶
AUTO SNAPSHOT     ◀ON ▶
RED FRAME         ◀ON ▶
MT SENSITIUITY    ◀3  ▶
DISK OVERWRITE    ◀ON ▶
DEFAULT SETTING     SET
ZOOM- :EXIT      ZOOM+ :
```

2.2 INTELLIGENCE MODE,use "LEFT/RIGHT" bottom to select MD/MT/OFF and

push "MENU" to exit

MD Format:Motion ditaction format, snapshoot moving objects.

Default mode is MD.

MT Format:Mobile Tracking Mode, track and shot moving objects.

OFF:under this format ,camera snapshot is off.

2.3PHOTO SIZE:default mode is D1

2.4 PHOTO OUALITY:ues "LEFT/RIGHT" botttom to chose L/M/H,Default model is M.

2.5 MAX.ZOOM TIMES: ues "LEFT/RIGHT" botttom to chose 2X、4X、10X ,Default model is10X.

2.6 AUTO ANAPSHOT:when is ON,camera snapshot moving object,Interval is 3 seconds. When is OFF,camera stop snapshot.

2.7RED FRAME:When is ON,open RED FRAME. When is OFF,close RED FRAME.(will not affect snapshot).

2.8. MT SENSITIUITY:0-6 adjustable,When it's 0 ,MT SENTIVITY is low, when it's 6, MT SENTIVITY is high ,Default is 3.

2.9 DISK OVERWRITE:when it's ON, cover the previous content when SD card is full. When it'sOFF,camera will stop snapshot when SD card is full.
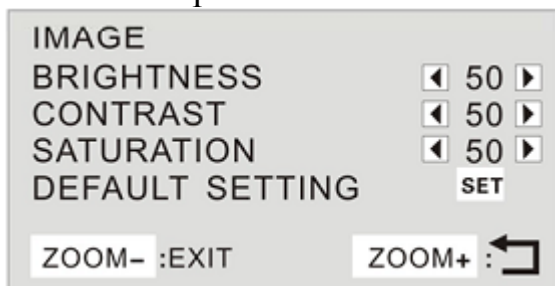
2.10DEFAULT SETTING :push "MENU"to come menu as photo 8.

Choose YES and the menu will revert to the default value .

三、IMAGE

3.1 IMAGE:push "MENU"to come to menu as photo 9

3.2 BRAIGHTNESS:0~100 adjustable. Customer can adjust according to circumstances at the scene .The default value is 50

3.3 CONTRAST:0~100 adjustable .Customer can adjust according to circumstances at the scene.The default value is 50.

3.4SATURATION:0~100 adjustable .Customer can adjust according to circumstances at the scene.The default value is 50.

3.5DEFAULT SETTING: push "MENU"and come to menu as photo 10.

ARE YOU SURE
    YES   NO

Choose YES BACK to the default value .

四、   Back/Exit

　　4.1 When want to back to Main Menu ,use the left Picture function Key
ZOOM一：EXIT,When want to exit the menu ,use the right picture function key
ZOOM+：